

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0551_01_s _ 2012_3				
Comment Code					
Inspector Comment					
District has emergency supplies stored in locked container near Courtland's fire house.					

No Photos

LM Start		Rating **	A	Issue No.	15
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0551_01_s _ 2012_15				
Comment Code					
Inspector Comment					
District has been trained in Flood Fight Methods.					

No Photos

LM Start		Rating **	A	Issue No.	23
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0551_01_s _ 2012_23				
Comment Code					
Inspector Comment					
District has O&M Manual on hand and stored with flood fight materials.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

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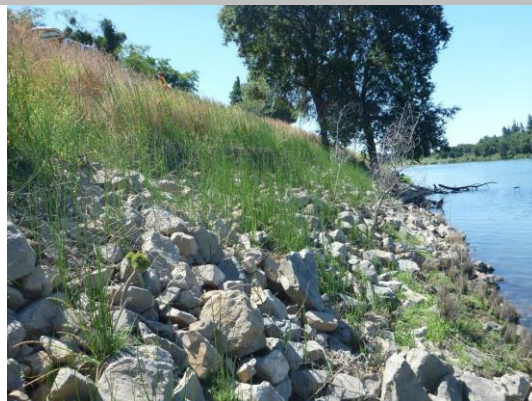
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	1.51	Rating **	M	Issue No.	19
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.317325 °	38.317325 °	
			-121.576525 °	-121.576525 °	
DWR ID	DWR_RD0551_01_f_2019_19				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.61	Rating **	M	Issue No.	18
LM End	1.68	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.315922 °	38.314978 °	
			-121.576864 °	-121.576936 °	
DWR ID	LMA-158				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: District Station 84+15 to 87+60, Sec. 06, T. 5 N. R. 4 E., M.D.M. Approximately 135 linear-feet of erosion/sloughing exists along the waterside levee slope of the Sacramento River. Sloughing commences approximately 3/4 of the way down the slope from the crown and extends into the rip rap. Some existing rip rap has been pulled off in this section.</p> <p>Site ID No: 331</p> <p>Site Designation: LMA-158</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/13/2017</p> <p>Notes: thorny veg on upper slope, light veg within rip rap. Crown is a paved road. 1 ft vertical scarp max just above rip rap so we rated it as a lower priority.</p>					

Photo 1 of 3 : FA_2019_RD0551_175_18_20190826_00002.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0551 Pearson

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

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Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	2.71	Rating **	A/W	Issue No.	22
LM End	2.74	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.301258 °	38.300922 °
				-121.569550 °	-121.569258 °
DWR ID	LMA-159				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 142+31 to 143+80, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 149 linear-feet of erosion exists along the waterside slope of the Sacramento River. The erosion exists near the rip rap line about 3/4 of the way down the slope. Some existing rip rap has been pulled off in this section.					
Site ID No:332					
Site Designation:LMA-159					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Crown is a paved road. Minor errosion right above and in the top of the rip rap.					

Photo 1 of 3 : FA_2019_RD0551_175_22_20190826_00009.jpg



LM Start	2.71	Rating **	A/W	Issue No.	22 (cont)
LM End	2.74	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD0551_175_22_20190826_00010.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	2.71	Rating **	A/W	Issue No.	22 (cont)							
LM End	2.74	Issue Type +	Ma	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.301258 °	38.300922 °								
			-121.569550 °	-121.569258 °								
DWR ID	LMA-159											
Comment Code												
Inspector Comment												
<p>Levee Evaluation Comments</p> <p>Description: District Station 142+31 to 143+80, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 149 linear-feet of erosion exists along the waterside slope of the Sacramento River. The erosion exists near the rip rap line about 3/4 of the way down the slope. Some existing rip rap has been pulled off in this section.</p> <p>Site ID No: 332</p> <p>Site Designation: LMA-159</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/13/2017</p> <p>Notes: Crown is a paved road. Minor erosion right above and in the top of the rip rap.</p>												

Photo 3 of 3 : FA_2019_RD0551_175_22_20190826_00011.jpg



LM Start	3.04	Rating **	A/W	Issue No.	26							
LM End	3.25	Issue Type +	Ma	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.297258 °	38.294806 °								
			-121.566231 °	-121.563958 °								
DWR ID	LMA-160											
Comment Code												
Inspector Comment												
<p>Levee Evaluation Comments</p> <p>Description: District Station 159+69 to 170+73, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 1,104 linear-feet of erosion and subsequent sloughing exists along the waterside slope of the Sacramento River. The erosion commences approximately halfway down the slope to the rip rap line.</p> <p>Site ID No: 333</p> <p>Site Designation: LMA-160</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/13/2017</p> <p>Notes: Crown is a paved road. Thorny veg on upper slope, none in rip rap. Scarps up to 3 ft, mostly smaller, above rip rap. Area of concern because erosion is not too deep into prism and good rip rap protection on lower slope.</p>												

Photo 1 of 3 : FA_2019_RD0551_175_26_20190826_00014.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0551 Pearson

A wide river flows through a landscape. In the foreground, a rocky shoreline composed of many grey stones leads into the water. The opposite bank is covered in green grass and trees. Two tall, thin structures, possibly towers or cranes, are visible on the far bank. The sky is clear and blue.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	3.34	Rating **	M	Issue No.	27
LM End	3.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.293842 °	38.293642 °
				-121.562917 °	-121.562708 °
DWR ID	LMA-161				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 175+36 to 176+30, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 94 linear-feet of erosion exists along the waterside slope of the Sacramento River. The erosion occurs within the rip rap area near the waterline. Sloughing is exhibited in the in the bottom half of the slope. Some existing rip rap has been pulled off in this section.					
Site ID No:334					
Site Designation:LMA-161					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Crown is a paved road. Scarps up to 3 ft within rip rap and 18 in above rip rap. Lower priority because erosion does not significantly cut into prism and damage was not continuous through whole site.					

Photo 1 of 3 : FA_2019_RD0551_175_27_20190826_00017.jpg



LM Start	3.34	Rating **	M	Issue No.	27 (cont)
LM End	3.36	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD0551_175_27_20190826_00018.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	3.34	Rating **	M	Issue No.	27 (cont)	
LM End	3.36	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.293842 °		38.293642 °
				-121.562917 °		-121.562708 °
DWR ID	LMA-161					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District Station 175+36 to 176+30, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 94 linear-feet of erosion exists along the waterside slope of the Sacramento River. The erosion occurs within the rip rap area near the waterline. Sloughing is exhibited in the in the bottom half of the slope. Some existing rip rap has been pulled off in this section.						
Site ID No:334						
Site Designation:LMA-161						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/13/2017						
Notes: Crown is a paved road. Scarps up to 3 ft within rip rap and 18 in above rip rap. Lower priority because erosion does not significantly cut into prism and damage was not continuous through whole site.						

Photo 3 of 3 : FA_2019_RD0551_175_27_20190826_00019.jpg



LM Start	3.91	Rating **	M	Issue No.	66
LM End	3.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.287760 °	38.287760 °
				-121.555837 °	-121.555837 °
DWR ID	DWR_RD0551_01_f_2019_66				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0551_175_66_20191024_00123.jpg



View looking downstream at erosion due to goats on the landside slope (Fall 2019).

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	4.04	Rating **	U	Issue No.	53
LM End	4.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.286255 °	38.286255 °
				-121.554193 °	-121.554193 °
DWR ID	DWR_RD0551_01_f_2018_53				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are many fresh rodent holes on the slope.					

Photo 1 of 1 : FA_2019_RD0551_175_53_20191024_00122.jpg



View looking downstream at fresh rodent holes in the landside slope (Fall 2019).

LM Start	4.39	Rating **	M	Issue No.	28
LM End	4.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.282778 °	38.282108 °
				-121.549531 °	-121.548386 °
DWR ID	LMA-163				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 231+12 to 235+26, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 414 linear-feet of erosion and subsequent sloughing exists along the waterside slope of the Sacramento River. The erosion commences approximately 3/4 of the way down the slope to the rip rap line.					
Site ID No:336					
Site Designation:LMA-163					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: We only saw erosion on about 1½ the length reported by the LMA, but there is another site very close by. Crown is a paved road. Scarps up to 5 ft deep above the rip rap, mostly smaller though so rated this a lower priority site.					

Photo 1 of 3 : FA_2019_RD0551_175_28_20190826_00020.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0551 Pearson

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	4.49	Rating **	A/W	Issue No.	29
LM End	4.52	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.281994 °	38.281653 °
				-121.548214 °	-121.547700 °
DWR ID	LMA-164				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: District Station 235+90 to 237+83, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 193 linear-feet of erosion exists along the waterside slope of the Sacramento River. The erosion commences approximately halfway down the slope and extends to the rip rap. Some existing rip rap has been pulled off in this section.					
Site ID No: 337					
Site Designation: LMA-164					
Repair Type: Erosion					
Rating: Area of Concern					
Field Date: 7/13/2017					
Notes: Crown is paved road. Veg on slope, not lower bank. Scarps up to 18 in deep above rip rap. Lower priority because erosion is fairly small and rip rap is in good shape through most of the site.					

Photo 1 of 3 : FA_2019_RD0551_175_29_20190826_00023.jpg



LM Start	4.49	Rating **	A/W	Issue No.	29 (cont)
LM End	4.52	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD0551_175_29_20190826_00024.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	4.49	Rating **	A/W	Issue No.	29 (cont)
LM End	4.52	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.281994 °	38.281653 °
				-121.548214 °	-121.547700 °
DWR ID	LMA-164				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: District Station 235+90 to 237+83, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 193 linear-feet of erosion exists along the waterside slope of the Sacramento River. The erosion commences approximately halfway down the slope and extends to the rip rap. Some existing rip rap has been pulled off in this section.</p> <p>Site ID No: 337</p> <p>Site Designation: LMA-164</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/13/2017</p> <p>Notes: Crown is paved road. Veg on slope, not lower bank. Scarps up to 18 in deep above rip rap. Lower priority because erosion is fairly small and rip rap is in good shape through most of the site.</p>					

Photo 3 of 3 : FA_2019_RD0551_175_29_20190826_00025.jpg



LM Start	4.67	Rating **	A/W	Issue No.	30
LM End	4.70	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.280236 °	38.279892 °
				-121.545758 °	-121.545314 °
DWR ID	LMA-165				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: District Station 245+47 to 247+26, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 179 linear-feet of erosion and sloughing exists along the waterside slope of the Sacramento River. The erosion commences approximately halfway down the slope and extends to the rip rap. Some existing rip rap has been pulled off in this section.</p> <p>Site ID No: 338</p> <p>Site Designation: LMA-165</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/13/2017</p> <p>Notes: Crown is paved road. Scarps up to 7 ft deep, 2 ft typical above the rip rap. Area of concern because the deeper scarp only covered a short distance and was already vegetated so not actively eroding.</p>					

Photo 1 of 3 : FA_2019_RD0551_175_30_20190826_00026.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	4.92	Rating **	A/W	Issue No.	31
LM End	4.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.277589 °	38.277256 °
				-121.542575 °	-121.542211 °
DWR ID	LMA-166				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 258+80 to 260+40, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 160 linear-feet of erosion exists along the waterside slope of the Sacramento River. The erosion commences approximately halfway down the slope from the crown and extends to the rip rap. Some existing rip rap has been pulled off in this section.					
Site ID No:339					
Site Designation:LMA-166					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/14/2017					
Notes: crown is a paved road. Scarps of 2.5 ft just above rip rap. Area of concern because erosion is fairly small.					

Photo 1 of 3 : FA_2019_RD0551_175_31_20190826_00029.jpg



LM Start	4.92	Rating **	A/W	Issue No.	31 (cont)
LM End	4.95	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD0551_175_31_20190826_00030.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0551 Pearson

A photograph showing a small, shallow stream flowing over a bed of rocks and debris. The water is murky and brown, suggesting sediment or organic matter. The surrounding landscape is dry and hilly, with sparse, dry vegetation and some small green plants growing along the stream banks. The overall scene depicts a natural, possibly seasonal, water feature in an arid or semi-arid environment.A photograph showing a rocky shoreline in the foreground, with tall grasses and reeds growing along the edge. A body of water extends to the horizon under a clear blue sky. A small orange buoy is visible in the water near the shore.Page 15 of 33

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	5.06	Rating **	A/W	Issue No.	32 (cont)
LM End	5.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.276072 °	38.275761 °
				-121.540869 °	-121.540497 °
DWR ID	LMA-167				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: District Station 266+16 to 267+71, Sec. 21, T. 5 N. R. 4 E., M.D.M. Approximately 155 linear-feet of erosion and sloughing exists along the waterside slope of the Sacramento River. The erosion commences approximately 3/4 of the way down the slope from the crown and extends into the rip rap. Some existing rip rap has been pulled off in this section.

Site ID No: 340

Site Designation: LMA-167

Repair Type: Erosion

Rating: Area of Concern

Field Date: 7/14/2017

Notes: Crown is a paved road. There is a private boat dock in the middle of the site. Some exposed filter fabric. On the upstream side erosion is above the rip rap and on the downstream side it is within the rip rap. Scarps are 2-3 ft deep. Area of concern because erosion is not very deep into prism.

LM Start	5.06	Rating **	A/W	Issue No.	32 (cont)
LM End	5.09	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD0551_175_32_20190826_00033.jpg



Photo 3 of 3 : FA_2019_RD0551_175_32_20190826_00034.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	5.12	Rating **	A/W	Issue No.	33
LM End	5.16	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.275442°	38.274997°
				-121.540094°	-121.539514°
DWR ID	LMA-168				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 269+37 to 271+66, Sec. 21, T. 5 N. R. 4 E., M.D.M. Approximately 229 linear-feet of erosion and sloughing exists along the waterside slope of the Sacramento River. The erosion commences approximately 3/4 of the way down the slope from the crown and extends to the rip rap.					
Site ID No:341					
Site Designation:LMA-168					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/14/2017					
Notes: crown is a paved road. Scarps up to 4-5 ft, but 18 inches for most of the length. Large tree within site. Area of concern because deeper erosion is only present for a short distance.					

LM Start	5.12	Rating **	A/W	Issue No.	33 (cont)
LM End	5.16	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2019_RD0551_175_33_20190826_00035.jpg



Photo 2 of 3 : FA_2019_RD0551_175_33_20190826_00036.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	5.12	Rating **	A/W	Issue No.	33 (cont)							
LM End	5.16	Issue Type +	Ma	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.275442°	38.274997°								
			-121.540094°	-121.539514°								
DWR ID	LMA-168											
Comment Code												
Inspector Comment												
<p>Levee Evaluation Comments</p> <p>Description: District Station 269+37 to 271+66, Sec. 21, T. 5 N. R. 4 E., M.D.M. Approximately 229 linear-feet of erosion and sloughing exists along the waterside slope of the Sacramento River. The erosion commences approximately 3/4 of the way down the slope from the crown and extends to the rip rap.</p> <p>Site ID No: 341</p> <p>Site Designation: LMA-168</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/14/2017</p> <p>Notes: crown is a paved road. Scarps up to 4-5 ft, but 18 inches for most of the length. Large tree within site. Area of concern because deeper erosion is only present for a short distance.</p>												

Photo 3 of 3 : FA_2019_RD0551_175_33_20190826_00037.jpg



LM Start	5.20	Rating **	A/W	Issue No.	34							
LM End	5.28	Issue Type +	Ma	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.274592°	38.273800°								
			-121.538958°	-121.537869°								
DWR ID	LMA-169											
Comment Code												
Inspector Comment												
<p>Levee Evaluation Comments</p> <p>Description: District Station 273+82 to 278+08, Sec. 21 and 22, T. 5 N. R. 4 E., M.D.M. Approximately 426 linear-feet of erosion exists along the waterside slope of the Sacramento River. The erosion commences approximately halfway down the slope and extends to the rip rap. Some existing rip rap has been pulled off in this section.</p> <p>Site ID No: 342</p> <p>Site Designation: LMA-169</p> <p>Repair Type: Erosion</p> <p>Rating: Serious</p> <p>Field Date: 7/14/2017</p> <p>Notes: there is a 7 ft scarp that extends for 40-60 ft in very sandy soil, scarps are 2-4 ft the rest of the length. Worst site in this RD so far. Serious because of the length of this deeper scarp and the weak soil here. Crown is a paved road.</p>												

Photo 1 of 3 : FA_2019_RD0551_175_34_20190826_00038.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0551 Pearson

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	5.38	Rating **	A/W	Issue No.	35
LM End	5.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.272867 °	38.272411 °
				-121.536597 °	-121.535983 °
DWR ID	LMA-170				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 283+08 to 285+49, Sec. 22, T. 5 N. R. 4 E., M.D.M. Approximately 241 linear-feet of erosion and sloughing exists along the waterside slope of the Sacramento River. The erosion commences approximately 3/4 of the way down the slope and extends to the rip rap. Some existing rip rap has been pulled off in this section. Site ID No:343					
Site Designation:LMA-170					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/14/2017					
Notes: Crown is a paved road. Scarps above rip rap 2-4 ft deep, but not continuous through whole site. Area of concern because erosion is not very deep into prism and is not continuous throughout site.					

Photo 1 of 3 : FA_2019_RD0551_175_35_20190826_00041.jpg



Photo 2 of 3 : FA_2019_RD0551_175_35_20190826_00042.jpg



LM Start	5.38	Rating **	A/W	Issue No.	35 (cont)
LM End	5.42	Issue Type +	Ma	Location *	WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	5.52	Rating **	A/W	Issue No.	36 (cont)	
LM End	5.54	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.271406°	38.271208°	
				-121.534644°	-121.534381°	
DWR ID	LMA-171					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: District Station 290+80 to 291+85, Sec. 22, T. 5 N. R. 4 E., M.D.M. Approximately 105 linear-feet of erosion and sloughing exists along the waterside slope of the Sacramento River. The erosion commences approximately 3/4 of the way down the slope and extends into the rip rap. Some existing rip rap has been pulled off in this section.						
Site ID No: 344						
Site Designation: LMA-171						
Repair Type: Erosion						
Rating: Area of Concern						
Field Date: 7/14/2017						
Notes: Crown is a paved road. Erosion scarps 1-4 ft deep just above rip rap. Area of concern because erosion is not very deep into prism.						

Photo 2 of 3 : FA_2019_RD0551_175_36_20190826_00045.jpg



LM Start	5.52	Rating **	A/W	Issue No.	36 (cont)
LM End	5.54	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2019_RD0551_175_36_20190826_00046.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	5.77	Rating **	A/W	Issue No.	37
LM End	5.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.269025 °	38.268814 °
				-121.531361 °	-121.531058 °
DWR ID	LMA-172				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 303+60 to 304+75, Sec. 22, T. 5 N. R. 4 E., M.D.M. Approximately 115 linear-feet of erosion and sloughing exists along the waterside slope of the Sacramento River. The erosion occurs just above the rip rap line. Some existing rip rap has been pulled off in this section.					
Site ID No:345					
Site Designation:LMA-172					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/14/2017					
Notes: Crown is a paved road. 4 ft deep scarp above the rip rap. Area of concern because erosion is not very deep into prism and there was lots of vegetation growing in the damaged area indicating it may be an older issue.					

Photo 1 of 3 : FA_2019_RD0551_175_37_20190826_00047.jpg



LM Start	5.77	Rating **	A/W	Issue No.	37 (cont)
LM End	5.79	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD0551_175_37_20190826_00048.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	5.77	Rating **	A/W	Issue No.	37 (cont)							
LM End	5.79	Issue Type +	Ma	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.269025 °	38.268814 °								
			-121.531361 °	-121.531058 °								
DWR ID	LMA-172											
Comment Code												
Inspector Comment												
<p>Levee Evaluation Comments</p> <p>Description: District Station 303+60 to 304+75, Sec. 22, T. 5 N. R. 4 E., M.D.M. Approximately 115 linear-feet of erosion and sloughing exists along the waterside slope of the Sacramento River. The erosion occurs just above the rip rap line. Some existing rip rap has been pulled off in this section.</p> <p>Site ID No: 345</p> <p>Site Designation: LMA-172</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/14/2017</p> <p>Notes: Crown is a paved road. 4 ft deep scarp above the rip rap. Area of concern because erosion is not very deep into prism and there was lots of vegetation growing in the damaged area indicating it may be an older issue.</p>												

Photo 3 of 3 : FA_2019_RD0551_175_37_20190826_00049.jpg



LM Start	5.85	Rating **	M	Issue No.	38							
LM End	5.86	Issue Type +	Ma	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.268244 °	38.268139 °								
			-121.530233 °	-121.530075 °								
DWR ID	LMA-173											
Comment Code												
Inspector Comment												
<p>Levee Evaluation Comments</p> <p>Description: District Station 307+90 to 305+49, Sec. 22, T. 5 N. R. 4 E., M.D.M. Approximately 59 linear-feet of erosion exists along the waterside slope of the Sacramento River. The erosion occurs approximately halfway down the slope within the rip rapped area. Existing rip rap has been pulled off in this section.</p> <p>Site ID No: 346</p> <p>Site Designation: LMA-173</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/14/2017</p> <p>Notes: Crown is a paved road. Erosion scarps 4-6 ft high, but soil is more stable than other nearby sites with large gravel in silt or clay so we rated this as an area of concern.</p>												

Photo 1 of 3 : FA_2019_RD0551_175_38_20190826_00050.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	6.01	Rating **	M	Issue No.	41
LM End	6.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.266686 °	38.265917 °
				-121.528128 °	-121.527194 °
DWR ID	LMA-177				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: District Station 316+24 to 320+12, Sec. 22, T. 5 N. R. 4 E., M.D.M. Approximately 388 linear-feet of erosion exists along the waterside slope of the Sacramento River. The erosion commences approximately halfway down the slope and extends into the rip rap. Some existing rip rap has been pulled off in this section.					
Site ID No: 350					
Site Designation: LMA-177					
Repair Type: Erosion					
Rating: Area of Concern					
Field Date: 7/14/2017					
Notes: Crown is paved road. Erosion scarps between 1-6 ft deep. Area of concern because the deeper erosion only extended for a short distance.					

Photo 1 of 3 : FA_2019_RD0551_175_41_20190826_00059.jpg



LM Start	6.01	Rating **	M	Issue No.	41 (cont)
LM End	6.08	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD0551_175_41_20190826_00060.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0551 Pearson

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	6.22	Rating **	A/W	Issue No.	42 (cont)
LM End	6.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.264436 °	38.264233 °
				-121.525472 °	-121.525219 °
DWR ID	LMA-178				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: District Station 327+45 to 328+45, Sec. 22, T. 5 N. R. 4 E., M.D.M. Approximately 100 linear-feet of erosion and sloughing exists along the waterside slope of the Sacramento River. The erosion commences approximately halfway down the slope and extends into the rip rap. Existing rip rap has been pulled off in this section.

Site ID No: 351

Site Designation: LMA-178

Repair Type: Erosion

Rating: Serious

Field Date: 7/14/2017

Notes: Crown is a paved road. Scarps above rip rap are about 7 ft deep. Rated this serious because erosion scarps are pretty deep, sandy material, steep slope, the rip rap is in poor condition and high traffic on the levee road.

LM Start	6.22	Rating **	A/W	Issue No.	42 (cont)
LM End	6.24	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD0551_175_42_20190826_00063.jpg



Photo 3 of 3 : FA_2019_RD0551_175_42_20190826_00064.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	6.27	Rating **	A/W	Issue No.	43
LM End	6.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.263906 °	38.263756 °
				-121.524778 °	-121.524575 °
DWR ID	LMA-179				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 330+19 to 330+99, Sec. 22, T. 5 N. R. 4 E., M.D.M. Approximately 80 linear-feet of erosion/sloughing and minor slippage exists along the waterside slope of the Sacramento River. The erosion/sloughing commences approximately halfway down the slope and extends into the rip rap. Existing rip rap has been pulled off in this section.					
Site ID No:352					
Site Designation:LMA-179					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/14/2017					
Notes: Crown is a paved road. Erosion scarps are only 1 ft deep. Area of concern because erosion is not very deep into prism.					

Photo 1 of 3 : FA_2019_RD0551_175_43_20190826_00065.jpg



LM Start	6.27	Rating **	A/W	Issue No.	43 (cont)
LM End	6.29	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD0551_175_43_20190826_00066.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0551 Pearson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.78	10/22/2019 10/22/2019	David Julian

LM Start	6.27	Rating **	A/W	Issue No.	43 (cont)
LM End	6.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.263906 °	38.263756 °
				-121.524778 °	-121.524575 °
DWR ID	LMA-179				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 330+19 to 330+99, Sec. 22, T. 5 N. R. 4 E., M.D.M. Approximately 80 linear-feet of erosion/sloughing and minor slippage exists along the waterside slope of the Sacramento River. The erosion/sloughing commences approximately halfway down the slope and extends into the rip rap. Existing rip rap has been pulled off in this section.					
Site ID No:352					
Site Designation:LMA-179					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/14/2017					
Notes: Crown is a paved road. Erosion scarps are only 1 ft deep. Area of concern because erosion is not very deep into prism.					

Photo 3 of 3 : FA_2019_RD0551_175_43_20190826_00067.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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